

IN THE CLAIMS:

The text of all pending claims are set forth below. Cancelled claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~strike through~~. The status of each claim is indicated with one of (original), (currently amended), (previously presented), (cancelled), (withdrawn), or (new).

Please AMEND the claims in accordance with the following:

1. (Previously Presented) A method of a transaction system managing transaction session identifiers in commodity sale transactions via a network, comprising:
issuing, when a user with a terminal starts a transaction session via the network, a session identification code that comprises a combination of a serial number and a predetermined security token, where the serial number identifies the started transaction session and indicates a transaction order in which the transaction with the user was started relative to other transactions of the transaction system, and where the issued session identification code is used by the transaction system to identify and manage the transaction session when the user, by exchanges via the network between the user's terminal and the transaction system, interactively adds/removes commodities to/from the transaction session before its completion; and
transmitting the identification code to the user's terminal during the transaction session such that if it is received by the terminal of the user the terminal will display the identification code on the terminal of the user.
2. (Previously Presented) The method of managing transaction numbers according to claim 1, wherein
the network is the Internet.
3. (Previously Presented) The method of managing transaction session identifiers according to claim 2, further comprising:
displaying the session identification code, as part of a Uniform Resource Locator (URL) of the Internet, on the user's terminal.

4. (Currently Amended) The method of managing transaction session identifiers according to claim 1, wherein

~~the receipt information~~ serial number of the session identification code contains date and time at issuance of the session identification code.

5. (Canceled)

6. (Previously Presented) The method of managing transaction session identifiers according to claim 1, wherein

the session identification code is issued when at least one commodity is selected at the user's terminal, the identification code being utilized until the user decides to purchase the selected commodity.

7. (Previously Presented) The method of managing transaction session identifiers according to claim 1, wherein

the session identification code is issued when an access is made from the user's terminal to the system of the commodity sale transaction, the session identification code being utilized until the user decides to purchase the commodity.

8. (Previously Presented) The method of managing transaction session identifiers according to claim 6, wherein

the session identification code is invalidated when a predetermined period of time elapses before the user decides to purchase the selected commodity after the issuance of the session identification code.

9. (Currently Amended) The method of managing transaction numbers according to claim 1, further comprising:

when another session identification code is received which coincides only with either the ~~receipt information~~ serial number or security token of the identification code, judging an improper access to the identification code to erase the session identification code to reissue a new session identification code.

10. (Previously Presented) A method of managing transaction numbers in commodity sale transactions via a network, comprising:

issuing an identification code that comprises receipt information and predetermined password information, the receipt information comprising a serial number that indicates the order in which a predetermined transaction with a user was received;

displaying the identification code on a terminal of the user;

when another identification code is received that coincides only with either the receipt information or password information of the identification code, judging an improper access to the identification code to count the number of times of the access; and

when a identification code is received after the number of times of the access has reached a predetermined number of times, erasing the identification code to reissue a new identification code, and displaying the new identification code on the terminal.

11. (Previously Presented) A method of managing transaction numbers in commodity sale transactions via a network, comprising:

issuing an identification code that comprises receipt information and predetermined password information, the receipt information comprising a serial number that indicates the order in which a predetermined transaction with a user was received;

displaying the identification code on a terminal of the user; and

when another identification code is received that coincides only with either the receipt information or password information of the identification code, judging an improper access making use of the identification code to delay a response to the terminal using the another identification code.

12. (Previously Presented) The method of managing transaction session identifiers according to claim 9, further comprising:

upon detection of an improper access to the session identification code, notifying alarm information to a terminal which sent the other identification code.

13. (Previously Presented) A computer apparatus acting as a server providing commodity sale transaction sites on the Internet, the computer apparatus executing transactions

via the Internet with a user's Internet terminal, the computer apparatus comprising:

an issuance unit to issue, when the user with a terminal starts a transaction session via the Internet, a session identification code that comprises a combination of a serial number and a predetermined security token, where the serial number identifies the started transaction session and indicates a transaction order in which the transaction with the user was started relative to other transactions of the transaction system, and where the issued session identification code is used by the transaction system to identify and manage the transaction session when the user, by exchanges via the Internet between the user's terminal and the transaction system, interactively adds/removes commodities to/from the transaction session before its completion; and

a communication unit to send the identification code to the user's terminal during the transaction session such that if it is received by the terminal of the user the terminal will display the identification code on the terminal of the user.

14. (Previously Presented) A computer apparatus acting as a user's Internet terminal, the computer apparatus executing transactions via the Internet with a server providing commodity sale transaction sites on the Internet, the computer apparatus comprising:

a communication unit to receive a session identification code issued from the server when the user starts a transaction session via the Internet, the session identification code comprising a combination of a serial number and a predetermined security token where the serial number identifies the started transaction session and indicates a transaction order in which the transaction with the user was started relative to other transactions of the transaction system, and where the issued session identification code is used by the transaction system to identify and manage the transaction session when the user, by exchanges via the network between the user's terminal and the transaction system, interactively adds/removes commodities to/from the transaction session before its completion; and

transmitting the identification code to the user's terminal during the transaction session such that if it is received by the terminal of the user the terminal will display a display unit to display thereon the identification code as part of Internet URL.

15. (Previously Presented) A computer program product allowing a computer that executes a commodity sale transaction via the Internet with a user, which, when executed by a

computer, causes the computer to perform operations comprising:

issuing, when a user with a terminal starts a transaction session via the network, a session identification code that comprises a combination of a serial number and a predetermined security token, where the serial number identifies the started transaction session and indicates a transaction order in which the transaction with the user was started relative to other transactions of the transaction system, and where the issued session identification code is used by the transaction system to identify and manage the transaction session when the user, by exchanges via the network between the user's terminal and the transaction system, interactively adds/removes commodities to/from the transaction session before its completion; and

transmitting the identification code to the user's terminal during the transaction session such that if it is received by the terminal of the user the terminal will display the identification code on the terminal of the user.

16. (Previously Presented) A method of managing transaction numbers in commodity sale transactions via a network, the method comprising:

issuing a transaction number including receipt information and predetermined password information, the receipt information containing at least a receipt number indicative of the order of receipt of a predetermined transaction with a user;

displaying the transaction number on a terminal of the user;

when another transaction number is received which coincides only with either the receipt information or password information of the transaction number, judging an improper access to the transaction number to count the number of times of the access; and

when a transaction number is received after the number of times of the access has reached a predetermined number of times, erasing the transaction number to reissue a new transaction number, and displaying the new transaction number on the terminal.

17. (Previously Presented) A method according to claim 1, wherein the security token comprises a string that is not derived from or based on transaction order and substantially uniquely identifies the transaction from other transactions.

18. (Previously Presented) A method according to claim 1, wherein the security token is substantially random relative to other transaction security tokens.

19. (Previously Presented) A method according to claim 1, wherein the identification code is issued before the user indicates that the transaction is complete and wherein the user adds a commodity to the transaction after the identification code is issued and before the transaction is complete.

20. (Cancelled).

21. (Previously Presented) A method of securely conducting an online transaction to purchase a commodity, the method comprising:

starting, over a network, a transaction session between a user's client and a transaction server, where the transaction session is for purchasing a commodity using the transaction server;

responsive to the starting of the transaction session, issuing over the network from the server to the client a session identifier string, where the session identifier string comprises a combination of a transaction identifier and a security token, where the transaction identifier identifies and orders the transaction session relative to other transaction sessions handled by the transaction server, where the security token substantially uniquely identifies the transaction session relative to the other transaction sessions including other transaction sessions of the user; and

automatically receiving and displaying the session identifier at the client and allowing the user to interactively add and remove commodities to be purchased via the transaction session during different client-server exchanges that are linked by the transaction server as a single session by the transaction server using the displayed session identifier.

22. (Previously Presented) A method according to claim 21, wherein the client comprises a browser and the session identifier is displayed by the browser as a URL of a current page displayed by the browser.